LMSC B030474 Cy 2 of 5 R+D Contract 1-1

JOINT MESSAGEFORM

SECRET [redacted]

SPACE BELOW RESERVED FOR COMMUNICATION CENTER

LX 11

PRECEDENCE	TYPE MSG. (Check)			ACCOUNTING SYMBOL:	ORIG. OR REFERS TO	CLASSIFICATION OF REFERENCE
ACTION	ROUT	ROUTINE	IMMEDIATE			
INFO						

FROM:

6595TH AEROSPACE TEST WING, VANDENBERG AFB, CALIF.

TO:

SPACE SYSTEMS DIV, LOSA, CALIF.
VWZD

SUBJECT: EIGHT-HOUR FLASH REPORT

I. SUMMARY VWZD-1-4-132

A VEHICLE CONSISTING OF SLV-2 BOOSTER NO. 276 AND S-01A ORBITAL STAGE NO. 1160 WAS LAUNCHED ON THE FIRST ATTEMPT FROM VAFB COMPLEX 75-3, PAD 5, AT 1501:00.36 PST ON 1 APRIL 1963. THE PRIMARY LAUNCH OBJECTIVE, TO PLACE THE S-01A SATELLITE WITH PAYLOAD IN A NEAR-POLAR ORBIT, WAS ACCOMPLISHED. THE ORBITAL PERIOD APPEARS TO BE NEAR-NOMINAL, BASED ON FIRST PASS ACQUISITION.

II. SIGNIFICANT EVENTS

PRELIMINARY VALUES OF SIGNIFICANT LAUNCH EVENTS ARE:

LIFTOFF (1501:00.36 PST) ZERO

STEERING INITIATED 92.04 SEC

SPECIAL INSTRUCTIONS

Authority of [redacted] Letter 20 Sep 1966

CLASSIFICATION CHANGED TO [redacted]

DOWNGRADED AT 3 YEAR INTERVALS; DECLASSIFIED AFTER 12 YEARS DOD DIRECTIVE 5200.10

DATE: MONTH Apr | TIME | YEAR 63

SYMBOL

SIGNATURE

WHITE

TYPED NAME AND TITLE (Signature, if required)
C. S. WALLER, LT. COL., USAF

TYPED (if desired) NAME AND TITLE

PHONE 866-2771 | PAGE NO. 1 | NR. OF PAGES

SECURITY CLASS [redacted] [redacted]

BLUE

DD FORM 1 MAY 58 173 REPLACES DD FORM 173, 1 OCT 62, WHICH WILL BE USED UNTIL EXHAUSTED

JOINT MESSAGEFORM - CONTINUATION SHEET | SECURITY CLASSIFICATION [redacted]

FROM:

6595TH AEROSPACE TEST WG, VANDENBERG AFB, CALIF [redacted]

MECO (S1)	146.52	SEC
VECO	158.51	SEC
ENABLE S1 AND D2 (S2)	161.41	SEC
D1 ON	154.13	SEC
D1 OFF	156.51	SEC
D2 ON	158.49	SEC
D2 OFF	160.75	SEC
SEPARATION COMMAND (S3)	161. 17	SEC
SEPARATION COMPLETE	163.5	SEC
ULLAGE ROCKET IGNITION	181.91	SEC
S-01A IGNITION	191.87	SEC
S-01A THRUST ATTAINMENT (90 PER CENT FC)	193.06	SEC
S-01A BURNOUT (70 PER CENT FC)	430.26	SEC
VIS VEHICLE RADAR FADE	445	SEC
VIS ACQUISITION BEACON FADE	471	SEC
VIS TELEMETRY DATA FADE (LINK 1)	481	SEC
VIS TELEMETRY DATA FADE (LINK 2)	481	SEC

III. SLV-2 PERFORMANCE

ALL SLV-2 SUB-SYSTEMS PERFORMED ADEQUATELY FOR ACHIEVEMENT OF THE PRIMARY TEST OBJECTIVES.

QUICK-LOOK DATA INDICATE THAT ACCEPTABLE BOOSTER COAST/ROCKET CONDITIONS WERE ACHIEVED AT APPROPRIATE

SYMBOL	PAGE NR	DTG OF	INITIALS
	2	[redacted]	

DD FORM 1 MAY 68 173-1

U.S. GOVERNMENT PRINTING OFFICE: 1968—800479

FROM:

[redacted] 6595TH AEROSPACE TEST WG, VANDENBERG AFB, CALIF.

COMMANDER TERRY PROVIDED TO THE S-01A. THE TENTATIVE EVALUATION OF COAST APOGEE VELOCITY WAS 10,932 FPS (NOMINAL: 10,945 FPS) AND OF ALTITUDE WAS 104.7 NMI (NOMINAL: 105.39 NMI).

IV. S-01A PERFORMANCE

ALL S-01A VEHICLE SUBSYSTEMS PERFORMED SATISFACTORILY DURING LAUNCH TO PROVIDE ADEQUATE TRAJECTORY CONDITIONS FOR ORBITAL INJECTION AT ENGINE SHUTDOWN. AT THE TIME OF TELEMETRY SIGNAL FADE AT VTO, THE ORBITAL TIMER WAS SET AT 543 SEC (STEP 19) IN THE RESET-ON POSITION, IN THE SECONDARY MODE, ARM/ALTERNATE RE-ENTRY DISARM STATE.

V. SPACE/GROUND COMMUNICATIONS

THE MOREHEAD/VELORT RADAR EXPERIENCED DIFFICULTY IN MAINTAINING CONTINUOUS TRACK OF THE VEHICLE DUE TO BEACON CAPTURE BY THE SPQ-8 RADAR AT TRACKING RANGE SHIP.

S-BAND BEACON RESPONSE TO THE SPQ-8 RADAR INTERROGATION WAS FIRST NOTED ON THE VELORT RANGE SCOPE AT T+251 SEC. BEACON CAPTURE BY THE SPQ-8 WAS REALIZED WHEN THE BEACON RESPONSE TO THE INTERROGATING RADARS MOVED TOGETHER [redacted]

DD FORM 173-1 MAY 68

GOVERNMENT PRINTING OFFICE: 1968—800478

JOINT MESSAGEFORM - CONTINUATION SHEET

SECURITY CLASSIFICATION [redacted]

FROM:

6595TH AEROSPACE TEST WG, VANDENBERG AFB, CALIF [redacted]

THE VERLORT ANTI-BEACON CAPTURE UNIT FAILED TO PREVENT CAPTURE AS THE VERLORT RADAR LOCKED ON TO THE INCORRECT RANGE RESPONSE.

VI. COUNTDOWN

THE COUNTDOWN WAS INITIATED ON SCHEDULE AT 0640 PST, 04 APRIL 1963 AND PROCEEDED TO LIFTOFF AT THE TIME SCHEDULED WITH NO HOLDS BEING IMPOSED. THE FOLLOWING PROBLEMS AND DELAYS WERE ENCOUNTERED.

TASK 2 WAS EXTENDED 10 MIN TO COMPLETE PAYLOAD CHECKS WHICH WERE ORIGINALLY SCHEDULED FOR X-1 DAY.

IN TASK 7 THE LAUNCH COMPLEX COMMUNICATION SYSTEM WAS INOPERATIVE FOR 10 MIN DUE TO A BROKEN WIRE IN THE ELECTRONIC COMMUNICATION CIRCUITRY. THE WIRE WAS REPLACED.

WORK IN TASK 14 WAS DELAYED 30 MIN TO AWAIT CLEARANCE FOR LAUNCH BY RANGE SAFETY BECAUSE OF THE HIGH UPPER-AIR WIND CONDITIONS.

VII. AEROSPACE GROUND EQUIPMENT

THE AEROSPACE GROUND EQUIPMENT [illegible] FUNCTIONED SATISFACTORILY TO ACCOMPLISH THE BOOSTER AND ORBITAL STAGE PRE-LAUNCH CHECKOUT. THE ONLY PROBLEM ENCOUNTERED WAS A BROKEN WIRE IN THE [illegible] COMPLEX

SYMBOL | PAGE NO. [redacted] | INITIALS

DD FORM MAY 50 173-1

[illegible] GOVERNMENT PRINTING OFFICE: 1950—930478

JOINT MESSAGEFORM - CONTINUATION SHEET

SECURITY CLASSIFICATION: [redacted]

FROM:

6595TH AEROSPACE TEST WG, VANDENBERG AFB, CALIF [redacted]

PUBLIC ADDRESS SYSTEM. THE WIRE WAS REPLACED.

VIII. PAD DAMAGE

PAD DAMAGE IS NOT CONSIDERED EXCESSIVE AND NORMAL TURNAROUND SCHEDULE CAN BE MAINTAINED.

[illegible] NAC 4 1

[illegible] SUMMARY

SYMBOL	PAGE NO. 5	NR OF PAGES	SECURITY CLASSIFICATION [redacted]	INITIALS

DD FORM MAY 65 173-1

[redacted]

GOVERNMENT PRINTING OFFICE 1965—800470